



# Joint Modeling & Simulation Capability Working Group

## M&S Training Gaps Analysis Forum (M&S TGAF)

Worldwide Joint Training  
and Scheduling Conference



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# Agenda



- Purpose
- TGAF Background
- M&S Training Issues Discussion/Status
  - Top M&S Issue Quad Charts

# Purpose



- To provide the Joint Modeling & Simulation Capability Working Group an update on the TGAF, the issues arising from the forum, and discuss the Top M&S issues.

# TGAF Background (1)



## Background

- In the past formerly met as the Joint Training Review Group (JTRG)
- Reconvened Nov 2008 at JFCOM as M&S TGAF with same membership as JTRG
- TGAF collected the top M&S training issues from stakeholders (COCOMs & Services)
- Additionally TGAF updated terminology and reprioritized the 35 TC AoA Gaps with COCOM/Service concurrence as Training Needs
- Reconvened Feb 2010, received status and revalidated prioritization of M&S Training Issues

# TGAF Background (2)



## Outcomes

- Continue to work with stakeholders to update M&S training issue and capabilities

## Actions

- Briefed the TGAF M&S strategy and process at WJTSC 09-1 and 09-2
- Submitted M&S issues in FY12 POM

# Top M&S Issues from Feb '2010 TGAF



- Integrated Air and Missile Defense (IAMD)
- Exercise Design, Conduct and Integration
- Cross Domain Information Sharing (CDIS)
  - Will be briefed by TM-6
- Joint Logistics

# Integrated Air and Missile Mission

TN # 7: Provide multi-command missile defense training



**Need:** CCDRs require a distributed, integrated, synthetic Missile Warning (MW) and Ballistic Missile Defense (BMD) training and exercise modeling and simulation (M&S) capability that stimulates real world display systems that is dynamic, portable, scalable and affordable.

## Solutions:

- Establish an ATM Tier 1-4 training capability
- Through the “All Things Missile” (ATM) initiative, USSTRATCOM w/ USJFCOM J7/J8 support conducted the functional needs analysis and analysis of alternatives to establish an ATM Training Architecture.
- The functional solutions analysis is ongoing
- Conducted Proof of Concept Dec 09 (displayed 75% interim M&S training capability for Tiers 1-3)

## Milestones

- Conduct Training Requirements Analysis
- Conduct Technical Requirements Analysis
- Conduct Capabilities Based Assessment
- Conduct Solutions Analysis
- Draft ICD
- ID and develop solutions
- Field solutions to stakeholders
- Integrate Solutions with JLVC---extend to Service tactical level

## Way Ahead

- Utilize 75% interim solution during GL 11
- Complete Solution development and field
- Begin integration with JLVC
- Post full integration with JLVC integrate with Service training environments (NCTE, DMON, etc)

# Exercise Design, Conduct & Integration

TN # 3: Provide faster/higher fidelity Mission Rehearsal



## Need:

Low cost, small footprint training capability that is modular and can be tailored based on training requirements for large exercises and home station training day to day.  
Capabilities that support home station staff training that are light-weight and can be operated by existing staff for individual and collective training

## Potential Solutions:

1. Maintain/Sustain JTLS (funds for FY10 approved, seeking additional funds for FY11 and beyond)
2. Enhance JECS and JLOD
3. Develop way ahead for JLVC CORE Capability

## Milestones

- Establish modular JLVC Federation that can scale to support a range of needs and requirements (12 Months)
- Implement the ability to stimulate Joint C2 Systems to reduce exercise support and footprint cost. (12 months)
- Deploy light-weight staff training capabilities that provide Joint Context within DoD sites—in progress with initial capability.
- Develop way ahead for NEXTGEN capability— in progress

## Way Ahead

- Conducted JTLS Quick Look Assessment and JTLS Study

# Joint Logistics

TN # 6: Train forces on realistic logistics requirements including RSOI



## Need:

Train forces on realistic logistics- Specifically Strategic Level Force Flow and Sustainment in support of TRANSCOM and COCOM Training Audiences

- Support TRANSCOM migration to Integrated Data Environment **G**lobal Transportation Network **C**onvergence (IGC) to ensure realistic training
- Enhance Force Flow capabilities to include Retrograde Operations

## Solution:

Enhance JDLM-DESS Capabilities to stimulate IGC during JLVC Spiral Development.  
Enhance JDLM and Maneuver Simulations within the JLVC to support Retrograde Operations in JLVC Spiral.

## Milestones

Requirement Analysis (3 Months May-June 09)  
JLVC Spiral IV Design Meeting (August 09)  
JLVC Test Cycle Jan-June 10)  
JLVC Spiral IV Delivery Jul FY10

## Way Ahead

*Current funding provided by JDTC, funding expected to continue FY11-15*



# QUESTIONS?